

Exhibit 6

GP. 3712
#2

PATENT

-1-

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

APR 29 1999

In re Patent Application of

RONNIE YARON et al.

Application No. 09/258,663

Filed: February 26, 1999

For: REMOTE LANDSCAPE DISPLAY
AND PILOT TRAINING



Group Art Unit: 3712 TECHNOLOGY CENTER 3700

Examiner: Not Assigned

INFORMATION DISCLOSURE
STATEMENT

2001 Ferry Building
San Francisco, CA 94111
(415) 433-4150

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on April 23, 1999.

LIMBACH & LIMBACH LLP Date: April 23, 1999

By:

Name: Deborah A. Mojara

Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

Applicants submit herewith patents, publications or other information [attached hereto and listed on the attached Form PTO-1449 (modified)] of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).
- (b) ☒ is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR § 1.491.
- (c) ☐ as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits.

PATENT

-2-

- (d) ☐ is filed after the first office action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$240) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below.
- (e) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and the Issue Fee has not been paid, and is accompanied by the fee (\$130) set forth in 37 CFR § 1.17(i)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

[If either of boxes (d) or (e) are checked above, the following "certification" under 37 CFR § 1.97(e) may need to be completed.] The undersigned certifies that:

- (f) ☐ Each item of information contained in the information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- (g) ☐ No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this information disclosure statement.

I. Pending Patent Applications (Unpublished References)

A pending U.S. patent application is listed on the enclosed Attachment A for the Examiner's consideration and entry into the present application. In accordance with MPEP § 2001.06(b), the Examiner is respectfully requested to consider such U.S. patent application and indicate, by initialing on the Attachment A that the listed application has been considered.

PATENT

-3-

II. Published References

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-1449 (Modified).

A copy of the items on PTO-1449 (Modified) is supplied herewith:

(h) ☒ each (i) ☐ none (j) ☐ only those listed below:

Those patent(s) or publication(s) which are marked with an asterisk (*) in the attached form PTO-1449 (Modified) are not supplied because they were previously cited by or submitted to the Office in a prior application no. , filed and relied upon in this application for an earlier filing date under 35 U.S.C. § 120.

A concise explanation of relevance of the items listed on form PTO-1449 (Modified) is:

- (k) ☒ not given
- (l) ☐ given for each listed item
- (m) ☐ given for only non-English language listed item(s)
[Required]
- (n) ☐ is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references [copy attached].

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been

PATENT

-4-

made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

[x] The Commissioner is hereby authorized to charge our Deposit Account No. 12-1420 for any fees required in connection with the filing of this Information Disclosure Statement. **A duplicate copy of this Notice is enclosed for this purpose.** In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

Respectfully submitted,
LIMBACH & LIMBACH L.L.P.

Dated: 7/23/99

By: 

Joel G. Ackerman
Reg. No. 24,307
Tel. No. 415/433-4150

Our File: SANF-22100-USA (32837)



-5-

PATENT

Sheet 1 of 2

FORM PTO-1449 (Modified) (Rev. 7-80)		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. SANP-22100-USA (32837)		Appln 09/258,889	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant(s) RONNIE YARON et al.		APR 29 1999	
				Filing Date February 26, 1999		Group 3712	
U.S. PATENT DOCUMENTS							
*Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date	
ZWA	AA 4,940,972	07/10/90	Mouchot et al.	340	747	02/10/88	
ZWA	AB 5,550,959	08/27/96	Freeman	395	127	05/27/93	
ZWA	AC 5,566,073	10/15/96	Margolin	364	449	08/09/95	
FOREIGN PATENT DOCUMENTS							
*Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation YES NO	
OTHER DOCUMENTS							
ZWA	AD	"ZBuffer," Caroline Jelinek, March 24, 1996 - Materials collected from the World Wide Web - Addressed http://www.cs.unc.edu/~bryan/bsg/TechMani/zbuffer.html					
ZWA	AE	"1.1 Photo-realistic Image Synthesis," Gary Shea, May 27, 1995 - Materials collected from the World Wide Web - Addressed: http://www.xmission.com/~shea/th1/node5.html#SECTION0041					
Examiner Lance W. Sealey				Date Considered 6/30/01			
* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Power Of Attorney By Inventor (Revocation Of Prior Powers)
 Serial No.:
 Page 4



PATENT
 Attorney Docket No. 7599/1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: YARON et al.
 SERIAL NO.: 09/258,663 GROUP NO.: UNKNOWN
 FILED: February 26, 1999 EXAMINER: UNKNOWN
 TITLE: Remote Landscape Display and Pilot Training

RECEIVED
 DEC 22 1999
 TC 2700 MAIL ROOM

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
 REVOCATION OF PRIOR POWERS AND NEW POWER OF ATTORNEY

As assignee of record of the entire interest of the above-identified

- ☒ application,
☐ patent,

all powers of attorney previously given are hereby revoked and

the following attorneys and/or agents are hereby appointed to prosecute and transact all business
 in the Patent and Trademark Office connected therewith.

Steven M. Bauer	Reg. No. 31,481
John V. Bianco	Reg. No. 36,748
Isabelle A.S. Blundell	Reg. No. 43,321
Maureen A. Bresnahan	Reg. No. P-44,559
Michael H. Brodowski	Reg. No. 41,640
Jennifer A. Camacho	Reg. No. 43,526
Joseph A. Capraro, Jr.	Reg. No. 36,471
John J. Cotter	Reg. No. 38,116
Jennifer L. Dupre	Reg. No. 41,722
John V. Forcier	Reg. No. 42,545
Duncan A. Greenhalgh	Reg. No. 38,678
William G. Guerin	Reg. No. 41,047
Ira Heffan	Reg. No. 41,059
Danielle L. Herritt	Reg. No. 43,670
Elizabeth E. Kim	Reg. No. 43,334
Mi Kim	Reg. No. P-44,830
Douglas J. Kline	Reg. No. 35,574
John D. Lanza	Reg. No. 40,060
Timothy P. Linkkila	Reg. No. 40,702

Kurt W. Lockwood	Reg. No. 40,704
Marianne McLaughlin	Reg. No. 42,870
Thomas C. Meyers	Reg. No. 36,989
Joseph B. Milstein	Reg. No. 42,897
David G. Miranda	Reg. No. 42,898
Ronda P. Moore	Reg. No. 44,244
Edmund R. Pitcher	Reg. No. 27,829
Dianne M. Rees	Reg. No. 45,281
Kurt Rauschenbach	Reg. No. 40,137
Michael A. Rodriguez	Reg. No. 41,274
R. Stephen Rosenholm	Reg. No. P-45,283
Michael J. Schmelzer	Reg. No. 43,093
J. Scott Southworth	Reg. No. 39,382
Christopher W. Stamos	Reg. No. 35,370
Joseph P. Sullivan	Reg. No. P-45,349
Robert J. Tosti	Reg. No. 35,393
Thomas A. Turano	Reg. No. 35,722
Michael J. Twomey	Reg. No. 38,349
Christine C. Vito	Reg. No. 39,061
Patrick R.H. Waller	Reg. No. 41,418
Yin P. Zhang	Reg. No. 44,372

☐ Attached as part of this power of attorney is the authorization of the above-named attorneys/agents to accept and follow instructions from my representatives.

Assignee also hereby grants additional Powers of Attorney to the attorneys and/or agents named above to file and prosecute foreign national patent applications in any and all countries of the world, a regional patent application under the European Patent Convention and/or an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

All future correspondence should be sent to:

Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110

The assignee of record of the entire interest of the above-identified

☒ application

☐ patent

is

SKYLINE SOFTWARE SYSTEMS LTD. (an Israeli company)

13 Gush Etzion Street
Givat Shmuel 54030, Israel

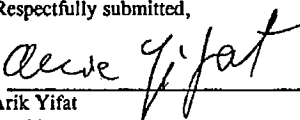
By virtue of

☒ an assignment from the inventors to SKYLINE SOFTWARE SYSTEMS LTD. recorded in the PTO
on 02/26/99 at Reel No. 9926 /Frame No. 0493.

☐ Recorded herewith

Dated: 12/03/99

Respectfully submitted,



Arik Yifat
President

SKYLINE SOFTWARE SYSTEMS LTD.
13 Gush Etzion Street
Givat Shmuel 54030, Israel

TOSTI7599/1.897345



2772
2776
PATENT
Attorney Docket No. SKY-002

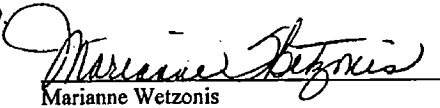
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Yaron
SERIAL NO.: 09/258,663 GROUP NO.: unknown
FILING DATE: February 26, 1999 EXAMINER: unknown
TITLE: Remote Landscape Display and Pilot Training

RECEIVED
DEC 22 1999
TC 2100 MAIL ROOM

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231 on this 15th day of December, 1999.


Marianne Wetzonis

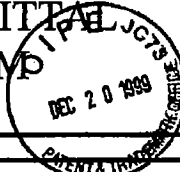
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

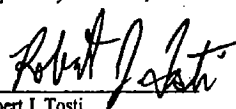
Submitted herewith is/are:

Transmittal Form (1 page);
Power of Attorney by Assignee of Entire Interest Revocation of Prior Powers and
New Power of Attorney (3 pages); and
Return Receipt Postcard

TOSTI7599/1.906403

TRANSMITTAL FORM 		Application Serial Number	09/258,663
		Filing Date	February 26, 1999
		First Named Inventor	Yaron
		Group Art Unit	unknown
		Examiner Name	unknown
		Attorney Docket No.	SKY-002

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets <u> </u>] <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553) <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund <input type="checkbox"/> After Allowance Communication to Group	<input type="checkbox"/> Appeal Communication to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Additional Enclosure(s) (please identify below)

CORRESPONDENCE ADDRESS	SIGNATURE BLOCK
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100	Respectfully submitted,  Date: December <u>15</u> , 1999 Reg. No. 35,393 Tel. No.: (617) 248-7374 Fax No.: (617) 248-7100 Robert J. Tosti Attorney for Applicant(s) Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110

TOST17599/1.906257



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/258663	02/26/99	YARON	SANF-22100-U

LIMBACH & LIMBACH
2001 FERRY BUILDING
SAN FRANCISCO CA 94111

EXAMINER

POWELL, MARK

ART UNIT

PAPER NUMBER

2772

DATE MAILED: 01/19/00

This is in response to the Power of Attorney filed 12/20/99

- ☐ 1. The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record. 37 CFR 1.33.
- ☒ 2. The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record. (37 CFR 1.33).
- ☐ 3. The withdrawal as attorney in this application has been accepted. Future correspondence will be mailed to the new address of record. 37 CFR 1.33.


This is a communication from the
Patent and Trademark Office

- ☒ 4. The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the below-noted address as provided by 37 CFR 1.33.
- ☐ 5. The Power of Attorney in this application is not accepted for the reason(s) checked below:
- ☐ a. The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73 (b) has not been received.
- ☐ b. The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- ☐ c. The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- ☐ d. The signature of _____, a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor.
- ☐ e. The person(s) appointed in the Power of Attorney is not registered to practice before the U. S. Patent & Trademark Office.
- ☐ f. The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.

PATENT ADMINISTRATOR
TESTA HURWITZ & THIBEAULT, LLP
HIGH STREET TOWER
125 HIGH STREET
BOSTON MA 02110


This is a communication from the
Patent and Trademark Office



PATENT
Attorney Docket No. SKY-002

#5/A
Rose
3-18-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Yaron et al.
SERIAL NO.: 09/258,663 GROUP NO.: 3712
FILING DATE: February 26, 1999 EXAMINER: Unknown
TITLE: REMOTE LANDSCAPE DISPLAY AND PILOT TRAINING

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MAR 15 2000
TECHNOLOGY CENTER 3700

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Kindly enter the following preliminary amendment before beginning examination of the patent application identified above.

In the Specification:

On page 1, before "BACKGROUND OF THE INVENTION" please insert the following heading, --CROSS-REFERENCE TO RELATED CASE--, immediately followed by the following sentence, --This is a continuation-in-part of U.S. Patent Application Serial No.

A1

08/939,948, filed on September 29, 1997, ^{new} US Pat. 6,111,583

378

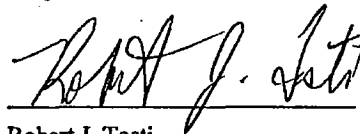
A

Preliminary Amendment
U.S.S.N.: 09/258,663
pg. 2

REMARKS

Applicants hereby amend the specification to provide information about the parent application and claim the benefit of priority under 35 U.S.C. § 120.

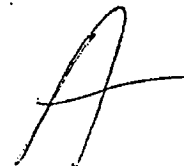
Respectfully submitted,



Robert J. Tosti
Reg. No. 35,393
Attorney for the Applicants

Date: March 9, 2000

Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7374
Fax No.: (617) 248-7100
WUD7599/5.956964-1





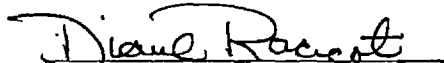
PATENT
Attorney Docket No. SKY-002
(7599/5)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Yaron et al. BATCH NO.: Not yet assigned
SERIAL NO.: 09/258,663 GROUP NO.: 3712
FILING DATE: February 26, 1999 EXAMINER: Unknown
TITLE: REMOTE LANDSCAPE DISPLAY AND PILOT TRAINING

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231 on this 9th day of March, 2000.


Diane Racicot

Box Non Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith is/are:

Transmittal Form (1 page);
Preliminary Amendment (2 pages); and a
return receipt postcard.

RECEIVED
MAR 15 2000
TECHNOLOGY CENTER 3100



3712

TRANSMITTAL FORM

Application Serial Number	09/258,663
Filing Date	February 26, 1999
First Named Inventor	Yaron et al.
Group Art Unit	3712
Examiner Name	Unknown
Attorney Docket No.	SKY-002

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553)	<input type="checkbox"/> Appeal Communication to Board of Patent Appeals and Interferences
<input type="checkbox"/> Check Attached	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply, etc.)
<input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Preliminary Amendment (2 pgs.)	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> After Final	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets <u> </u>]	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Supplemental Information Disclosure Statement Form PTO-1449	<input type="checkbox"/> After Allowance Communication to Group	
<input type="checkbox"/> Copies of Supplemental IDS Citations		
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		

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CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Date: March 9, 2000
Reg. No. 35,393
Tel. No.: (617) 248-7374
Fax No.: (617) 248-7100

Respectfully submitted,

Robert J. Tosti
Robert J. Tosti
Attorney for Applicants
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110

957112

A

ATTORNEY DOCKET NO. SKY02 005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Yaron, et al.

Serial No.: 09/258,663

Filed: February 26, 1999

For: REMOTE LANDSCAPE DISPLAY AND PILOT TRAINING



REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

The Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

All previous powers of attorney are hereby revoked, and L. Lawton Rogers, III, Reg. No. 24,302; D. Joseph English, Reg. No. 42,514; Mark C. Comtois, Reg. No. 46,285; and Patrick D. McPherson, Reg. No. 46,255 are hereby appointed to prosecute the above-identified application and to transact all business in the U.S. Patent and Trademark Office connected therewith, to receive the original Letters Patent and to file, prosecute and transact all business in connection with international applications directed to the invention therein.

Please address all correspondence to:

Carter, Ledyard & Milburn
1401 Eye Street, N.W., Suite 300
Washington, DC 20005

and direct all telephone calls to:

L. Lawton Rogers, III at (202) 898-1515.

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FEB 14 2001
2600 MAILROOM

Skyline Software Systems Ltd., a company in Israel, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of chain of title from the inventors of the patent application identified above, to the current assignee as shown below:

1. From the inventors to Skyline Software Systems Ltd. The document was recorded in the Patent and Trademark Office on February 26, 1999 at Reel/Frame .

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned Itzhak Stolz is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

Respectfully submitted,

Itzhak Stolz


Signature

President
Name/Title

Date: 13. 2. 2001

RECEIVED
FEB 1 2001
TC 200 MAIL ROOM

ATTORNEY DOCKET NO. SKY02 005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Yaron, et al.

Serial No.: 09/258,663

Filed: February 26, 1999

For: REMOTE LANDSCAPE DISPLAY AND PILOT TRAINING

TRANSMITTAL

The Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

Transmitted herewith is a Revocation and Substitute Power of Attorney for the
above-identified Application.

If a Petition for an Extension of Time is necessary for the paper transmitted
herewith to be timely filed, this transmittal is to be considered as a petition to extend the
response period by the amount of time needed for the paper to be timely filed.

The Commissioner is hereby authorized to charge payment of any additional fees
associated with this communication or credit any overpayment to Deposit Account 18-
1835.

RECEIVED
FEB 14 2001
TC 2600 MAILROOM

A duplicate of this sheet is enclosed.

Respectfully submitted,



L. Lawton Rogers, III

Reg. No. 24,302

D. Joseph English

Reg. No. 42,514

Mark C. Comtois

Reg. No. 46,285

Patrick D. McPherson

Reg. No. 46,255

1401 Eye Street, N.W., Suite 300
Washington, DC 20005
Telephone: (202) 898-1515
Telecopier: (202) 898-1521

Dated: February 13, 2001

Page 1 of 1 #7
Brilliant
 2-24-01



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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/258,663	02/26/1999	RONNIE YARON	SANF-22100-U

CONFIRMATION NO. 4205



Carter Ledyard & Milburn
 1401 Eye Street N W Suite 300
 Washington, DC 20005

Date Mailed: 02/26/2001

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/13/2001.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

B. Alexander

Customer Service Center
 Initial Patent Examination Division (703) 308-1202

OFFICE COPY

File History Report

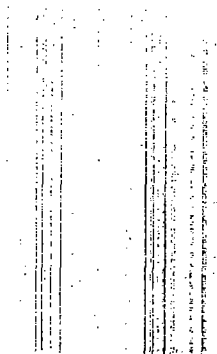


Paper number 8 is missing from the United States Patent and Trademark Office's original copy of the file history. No additional information is available.



The following page(s) _____ of paper number _____ is/are missing from the United States Patent and Trademark Office's original copy of the file history. No additional information is available

Additional comments: _____





**UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**

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Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/258,663 02/26/99 YARON

R SANF-22100-U

EXAMINER

WM01/0705

CARTER LEDYARD & MILBURN
1401 EYE STREET N W SUITE 300
WASHINGTON DC 20005

SEALEY, L

ART UNIT

PAPER NUMBER

2671

DATE MAILED:

07/05/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No. 09/258,663		Applicant(s) YARON ET AL	
	Examiner Lance W. Sealey		Art Unit 2671	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on 2/26/99.

2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-56 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) 1-7, 9, 10, 15-37, 39, 40 and 45-56 is/are rejected.

7) ☒ Claim(s) 8, 11-14, 38 and 41-44 is/are objected to.

8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some * c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

15) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 16) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 17) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>2</u> .	18) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s) _____. 19) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 20) <input type="checkbox"/> Other: _____
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Art Unit: 2671

DETAILED ACTION

Notice of Change in Art Unit

1. The Group and/or Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2671.

Allowable Subject Matter

2. Claims 8, 11-14, 38 and 41-44 are objected to as being dependent upon rejected base claims, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
3. The following is a statement of reasons for the indication of allowable subject matter:
Nothing in the prior art anticipates or suggests, in a method of providing data blocks describing three-dimensional terrain to a renderer, downloading first the block for which the coordinates were provided last among blocks at a common resolution level (claims 8 and 38), downloading excess blocks not currently needed by the renderer to fill up the local memory when not downloading blocks required by the renderer (claims 11 and 41). Claims 12-14 depend directly or indirectly on claim 11, and claims 42-44 depend directly on claim 41.

Claim Rejections - 35 USC § 102

4. The following is a quotation of 35 U.S.C. 102(e) which forms the basis for all novelty rejections set forth in this Office action:

A person shall be entitled to a patent unless—

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(c) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by applicant for patent.

5. Claims 1-2, 5-7, 9, 16-17, 19-22, 31-32, 35-37, 39 and 46-51 are rejected under 35

U.S.C. 102(e) as being anticipated by Migdal et al. ("Migdal '783", U.S. Pat. No. 5,760,783).

6. Migdal '783, in disclosing a system and method for computer modeling of 3D objects, also discloses, with respect to claim 1, a method of providing data blocks (LOD generation block 1050, FIG.10), describing three-dimensional terrain to a renderer (raster subsystem 224, FIG.2), the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels (col.9, ll.5-17), the method comprising:

- receiving from the renderer one or more coordinates in the terrain along with indication of a respective resolution level (col.16, ll.1-21);
- providing the renderer with a first data block which includes data corresponding to the one or more coordinates from a local memory (col.9, ll.5-14);
- downloading from a remote server one or more additional data blocks which include data corresponding to the one or more coordinates if the provided block from the local memory is not at the indicated resolution level (col.8, l.66-col.9, l.36 and FIG.2. Local memory: texture memory 226. Remote server: graphics display system 200).

7. Concerning claims 2 and 32, Migdal '783 discloses providing the first data block comprises providing the data block from the highest resolution level which includes data

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corresponding to the one or more coordinates (col.16, ll.1-21).

8. Regarding claims 5 and 35, Migdal '783 discloses receiving a plurality of coordinates included in a plurality of respective distinct blocks, and wherein downloading the one or more blocks comprises downloading blocks including data corresponding to at least some of the plurality of coordinates (col.8, l.66-col.9, l.36).

9. With respect to claims 6 and 36, Migdal '783 discloses downloading blocks in an order determined according to their resolution levels (col.8, l.66-col.9, l.36).

10. Concerning claims 7 and 37, Migdal '783 discloses downloading blocks of lower resolution levels before blocks of higher resolution levels (col.16, ll.1-21).

11. Regarding claims 9 and 39, Migdal '783 discloses downloading the blocks according to the order in which the coordinates were provided (col.16, ll.5-11).

12. With respect to claims 16 and 46, Migdal '783 discloses a method of displaying three dimensional images, comprising:

- establishing a communication link between a local processor and a server (col.8, l.66-col.9, l.36);
- transferring data blocks describing terrain over the communication link from the server to the local processor (col.8, l.66-col.9, l.36); and
- rendering a three-dimensional terrain image at the local processor responsive to the data blocks (display 232, FIG.2, and col.7, ll.13-16).

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13. Concerning claims 17 and 47, Migdal '783 discloses the establishment of a low-speed communication link (arrow between bus 201 and geometry engine 222, FIG.2).
14. Regarding claims 19 and 48, Migdal '783 discloses transferring the blocks responsive to a list of coordinates generated by the processor (col.8, l.66-col.9, l.36).
15. With respect to claims 20 and 49, Migdal '783 discloses preparing the list of coordinates responsive to a viewpoint from which the image is rendered (col.16, ll.1-21 and col.8, l.66-col.9, l.36, especially col.9, ll.18-21).
16. Concerning claims 21 and 50, Migdal '783 discloses the viewpoint changing over time following a predetermined course (col.10, ll.13-20).
17. Regarding claims 22 and 51, Migdal '783 discloses receiving the predetermined course from the server (col.10, ll.13-49, especially ll.47-49).
18. Finally, concerning claim 31, Migdal '783 discloses an apparatus for providing data blocks describing three-dimensional terrain to a renderer (FIG.2), the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the apparatus comprising:
 - a local memory, which stores data blocks corresponding to coordinates proximal to a current viewpoint of the renderer (texture memory 226, FIG.2);
 - a communication link, through which the memory receives the data blocks from a remote server (arrow between bus 201 and geometry engine 222, FIG.2); and

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- a processor which receives one or more specified coordinates along with indication of a respective resolution level from the renderer, provides the renderer with a first data block which includes data corresponding to the one or more specified coordinates from the local memory, and downloads over the communication link one or more additional data blocks which include data corresponding to the one or more coordinates if the first block is not from the indicated level (computer graphics display system 200, FIG.2).

19. Therefore, in view of the foregoing, the examiner concludes that the above claims have been anticipated by Migdal '783.

Claim Rejections - 35 USC § 103

20. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

21. Claims 3-4, 10, 33-34 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Migdal '783 in view of *In re Gazda*, 104 USPQ 400 ("*Gazda*").

22. With respect to claims 3 and 33, Migdal '783 does not disclose downloading a block at a resolution level higher than the resolution level of the first block; nor does it disclose claims 4 and

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34, downloading the blocks from a succession of resolution levels, from the level immediately higher than the resolution level of the first block up to the maximal existent resolution level on the server not above the indicated resolution level; nor does it disclose claim 10, downloading first the block for which the coordinates were provided last. Instead, consistent with applicants' claim 2, Migdal '783 provides the data block with the highest resolution first. But *Gazda* stands for the idea that it is obvious to reverse the order of the elements.

23. *Gazda* involved a clock wound by turning the steering wheel of a car (104 USPQ at 400).

The applicant's clock featured a pawl-and-ratchet mechanism (104 USPQ at 401). The way the applicant's invention worked was that turning the steering wheel moved the ratchet wheel of the clock relative to the pawl to actuate a train of gears which wound the clock (104 USPQ at 401).

The primary reference used to reject the applicant's claims featured an automobile clock that was stationary relative to the car, being mounted on the stationary structure of the steering column (instead of movable with the wheel as in the applicant's device), and was wound through a gearing connection by turning the steering wheel in one direction only (104 USPQ at 401). A secondary reference was used to reject the pawl-and-ratchet element of the applicant's claim (104 USPQ at 401).

24. The CCPA reasoned that whether the clock was mounted on the steering wheel or the steering wheel post "was only a matter of choice amounting to a mere reversal of parts", and the CCPA further agreed with the examiner who argued that the location of the ratchet means at the

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input end of the winding connection instead of the output end was "merely a matter of choice and expediency" (104 USPQ at 402).

25. Applying the reasoning of *Gazda* to this application, downloading a block at a resolution level higher than the resolution level of the first block is a matter of choice amounting to a mere reversal of which block is downloaded first. Therefore, it would have been obvious to one of ordinary skill in the art at the time this invention was made to make this change.

26. Therefore, in view of the foregoing, claims 3-4, 10, 33-34 and 40 are rendered unpatentable by Migdal '783 and *Gazda*.

27. Claims 15, 18, 45, 48 and 55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Migdal '783 in view of Migdal et al. ("Migdal '702," U.S. Pat. No. 5,886,702).

28. With respect to all of these claims, Migdal '783 does not disclose downloading the blocks via the Internet. However, Migdal '702 discloses this element at col.10, ll.27-41.

29. Therefore, it would have been obvious to one of ordinary skill in the art to have modified Migdal '783 to effect downloading over the Internet. Such a modification to Migdal '783 would increase flexibility by expanding the sources of images that describe the terrain of places to which pilots want to fly.

30. Accordingly, in view of the foregoing, claims 15, 18, 45, 48 and 55 are rendered unpatentable by Migdal '783 and Migdal '702.

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31. Claims 23-24, 26-27 and 52-53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Migdal '783 in view of Viebahn et al. ("Viebahn," U.S. Pat. No. 5,798,713).

32. With respect to claims 23 and 52, Migdal '783 does not disclose a suggested course for landing in an airport. However the Viebahn process for representing flight guidance information discloses this element in FIGS.3-6.

33. Therefore, it would have been obvious to one of ordinary skill in the art to have modified Migdal '783 with Viebahn to provide a suggested course for landing in an airport. Such a modification to Migdal '783 would make the pilot's task easier by summarizing the information relevant to the landing phase of a flight within an overall image which is of favorable ergonomic form.

34. The other claims in this rejection will now be considered: With respect to claims 24 and 53, Viebahn discloses the user of the processor changing the view direction from the viewpoint without removing the viewpoint from the predetermined course (see drawing descriptions of FIGS.3-6).

35. Concerning claim 26, Viebahn discloses transferring blocks which include altitude data of the terrain at col.4, ll.64-65.

36. Finally, regarding claim 27, Viebahn discloses transferring blocks which include objects to be overlaid on the terrain at col.4, ll.64-65 (flight altitude information).

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37. Therefore, in view of the foregoing, the examiner concludes that claims 23-24, 26-27 and 52-53 have been rendered unpatentable by Migdal '783 and Viebahn.

38. Claims 25 and 54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Migdal '783 in view of Reber et al. ("Reber," U.S. Pat. No. 6,111,568).

39. With respect to both of these claims, Migdal '783 does not disclose the viewpoint being controlled by a user of the processor. This element is disclosed by Reber at col.10, ll.39-41 and col.12, ll.34-36.

40. Therefore, it would have been obvious to one of ordinary skill in the art to have modified Migdal '783 with Reber to give the user control over the viewpoint. Such a modification to Migdal '783 would enhance the pilot's safety by presenting him or her with a telepresence within the viewed environment.

41. Accordingly, in view of the foregoing, claims 25 and 54 are rendered unpatentable by Migdal '783 and Reber.

42. Claim 28 is rejected under 35 U.S.C. 103(a) as being unpatentable over Migdal '783 in view of Viebahn and further in view of Asenio et al. ("Asenio," U.S. Pat. No. 5,652,863).

43. Migdal '783 does not disclose rendering images using representations of at least some of the objects overlaid on the terrain according to settings made by the user of the local processor. However, the Asenio graphical method of media partitioning on a hard disk discloses this element at col.1, l.65-col.2, l.17.

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44. Therefore, it would have been obvious to one of ordinary skill in the art to have modified Migdal '783 with Asenio to give the user control over the properties of the representations of the objects overlaid on the terrain. Such a modification to Migdal '783 would enhance the user's ability to more clearly see important information.

45. Accordingly, in view of the foregoing, claims 25 and 54 are rendered unpatentable by Migdal '783 and Reber.

46. Claims 29 and 56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lockwood et al. ("Lockwood," U.S. Pat. No. 4,070,705) in view of Migdal '783.

47. Lockwood, in disclosing a simulation apparatus, also discloses a method of pilot training (col.1, ll.9-23) and loading a course of a flight vehicle into a local processor (col.3, ll.39-49). However, Lockwood does not disclose the other elements of establishing a communication link between a processor and a server, transferring data blocks over the communication link to the server from the local processor, and rendering a 3D terrain image at the local processor. These are disclosed by Migdal '783 in a manner similar to the way these elements are disclosed in claim 16 (see paragraph 12 above).

48. Therefore, it would have been obvious to one of ordinary skill in the art to have modified Lockwood with Migdal '783. Such a modification to Lockwood would enhance the pilot's sense of realism by delivering a texture image of the terrain quickly and efficiently.

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49. Accordingly, in view of the foregoing, claims 29 and 56 are rendered unpatentable by Lockwood and Migdal '783.


50. Finally, claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lockwood in view of Migdal '783 and further in view of Viebahn according to the same rationale used to reject claims 23 and 52. Therefore, in view of the foregoing, the examiner concludes that claim 30 has been rendered unpatentable by Lockwood, Migdal '783 and Viebahn.

Conclusion

51. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lance Sealey whose telephone number is (703) 305-0026. The examiner can normally be reached Monday-Friday from 7:00 am to 3:30 pm EDT.

52. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Zimmerman, can be reached on (703) 305-9798. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9314.

53. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700 or the Customer Service Office at (703) 306-0377.


MARK ZIMMERMAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Notice of References Cited	Application/Control No. 09/258,663	Applicant(s)/Patent Under Reexamination YARON ET AL.	
	Examiner Lance W. Sealey	Art Unit 2871	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
	A	US-5,760,783-A	06-1998	Migdal et al.	345	430
	B	US-5,886,702-A	03-1999	Migdal et al.	345	423
	C	US-6,111,588-A	08-2000	Reber et al.	345	327
	D	US-5,798,713-A	08-1998	Viebahn et al.	340	974
	E	US-5,652,863-A	07-1997	Asenio et al.	395	497.04
	F	US-4,070,705-A	01-1978	Lockwood et al.	364	200
	G	US- -				
	H	US- -				
	I	US- -				
	J	US- -				
	K	US- -				
	L	US- -				
	M	US- -				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification	
	N	- -					
	O	- -					
	P	- -					
	Q	- -					
	R	- -					
	S	- -					
	T	- -					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



ATTORNEY DOCKET NO. SKY02 005 US

106
10/9/01
Gordon

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Yaron et al.

Serial No. 09/258,663

Art Unit: 2671

Filed: February 26, 1999

Examiner: Sealey, L.

TITLE: REMOTE LANDSCAPE DISPLAY AND PILOT TRAINING

Amendment

The Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

RECEIVED
OCT 05 2001
Technology Center 2600

Sir:

Responsive to the Official Action dated July 5, 2001 please amend the
subject application as follows.

In the Claims:

Please cancel claims 16-30 and 46-56, without prejudice.

Please add new Claims 57-58.

57. (New) The method of Claim 1, wherein the coordinates relate to the
coordinates of a predetermined course of a flight vehicle.

58. (New) The apparatus of Claim 31, wherein said data blocks relate to
a course of a flight vehicle.

Sub
C1
B1

REMARKS

Claims 1-15 and 31-45 remain in the application. Applicant notes the allowable subject matter in Claims 8, 11-14, 38 and 41-44.

35 U.S.C. § 102(e) Rejections:

Claims 1-2, 5-7, 9, 16-17, 19-22, 31-32, 35-37, 39, and 46-51 stand rejected as anticipated by Migdal et al. ("Migdal") Claims 16-17, 19-22 and 46-51 have been cancelled without prejudice and reconsideration of the rejection of claims 1-2, 5-7, 9, 31-32, 35-37 and 39 is solicited.

As recited in Independent Claims 1 and 31, the required block is downloaded from the remote server if the block at a required resolution does not reside on the local memory. Examiner asserts that this is disclosed in Migdal col. 8, line 66 through col. 9, line 36, but that passage discloses only the existence of a hierarchy of LOD maps and the memory saved by storing clip maps in texture memory. The Examiner also references Fig. 2 which discloses a processor, but fails to disclose downloading data blocks from a remote server as required by Claims 1 and 31.

Withdrawal of the rejection of Independent Claims 1 and 31 is solicited. Claims ultimately depending therefrom should be allowed without recourse to the additional patentable limitations respectively recited.

35 U.S.C. § 103(a) Rejections:

Claims 3-4, 10, 33-34 and 40 are rejected under 35 U.S.C. § 103(a) as obvious over Migdal in view of *In re Gazda*, 104 U.S.P.Q. 400 (CCPA 1955).

The Examiner relies on *In re Gazda* for the proposition that reversing the order of elements is obvious, but the holding thereof is far more restrictive, dealing with a specific structure. Moreover, the Examiner is overlooking the major deficiency of Migdal, *i.e.* there is no disclosure regarding a downloading order based on resolution levels. *A fortiori*, Migdal fails to teach downloading additional blocks from a remote server if blocks at the required resolution level are not present on the local memory. Withdrawal of the rejection of Claims 3-4, 10, 33-34 and 40 is therefore required.

Claims 15, 18, 45, 48 and 55 stand rejected as obvious over Migdal in view of Migdal et al. ('702). Claims 18, 48 and 55 have been cancelled without prejudice. Reconsideration of Claims 15 and 45 is solicited.

Claims 15 and 45 depend from Independent Claims 1 and 31, respectively and are allowable therewith. As discussed above, Migdal does not disclose the downloading which the Independent Claims 1 and 31 recite and Migdal ('702) fails to obviate this basic deficiency.

Claims 23-29, 52-54 and 56 are rejected under 35 U.S.C. § 103(a). These claims have been cancelled without prejudice.

Allowance of all claims remaining in the application is respectfully
solicited.

Respectfully submitted,



L. Lawton Rogers, III
Reg. No. 24,302
D. Joseph English
Reg. No. 42,514
Mark C. Comtois
Reg. No. 46,285
Patrick D. McPherson
Reg. No. 46,255

1401 Eye Street, N.W., Suite 300
Washington, DC 20005
Telephone: (202) 898-1515
Telecopier: (202) 898-1521

Dated: October 4, 2001

ATTORNEY DOCKET NO. SKY02 005 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Patent Application of Yaron, et al.

Serial No.: 09/258,663

Art Unit: 2671

Filed: February 26, 1999

Examiner: L. Sealey

Title: REMOTE LANDSCAPE DISPLAY AND PILOT TRAINING

EXHIBIT A

3. (Amended) [A method according to claim 1, wherein downloading the one or more additional blocks comprises downloading a block] A method of providing data blocks describing three-dimensional terrain to a renderer, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the method comprising:

receiving from the renderer one or more coordinates in the terrain along with indication of a respective resolution level;

providing the renderer with a first data block which includes data corresponding to the one or more coordinates, from a local memory;

downloading from a remote server one or more additional data blocks at a resolution level higher than the resolution level of the first block which include data corresponding to the one or more coordinates if the provided block from the local memory is not at the indicated resolution level.

7. (Amended) [A method according to claim 6] A method of providing data blocks describing three-dimensional terrain to a renderer, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the method comprising:

receiving from the renderer a plurality of coordinates in the terrain along with indication of a respective resolution level; said plurality of coordinates being included in a plurality of respective distinct blocks;

providing the renderer with first data block which includes data corresponding to at least some of the plurality of coordinates from a local memory;

downloading from a remote server one or more additional blocks which include data corresponding to a plurality of respective distinct blocks if the provided block from the local memory is not at the indicated resolution level, wherein [downloading the blocks comprises downloading] blocks of lower resolution levels are downloaded before blocks of higher resolution levels.

8. (Amended) [A method according to claim 7] A method of providing data blocks describing three-dimensional terrain to a renderer, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the method comprising:

receiving from the renderer a plurality of coordinates in the terrain along with indication of a respective resolution level; said plurality of coordinates being included in a plurality of respective distinct blocks;

providing the renderer with first data block which includes data corresponding to at least some of the plurality of coordinates from a local memory;

downloading from a remote server one or more additional blocks which include data corresponding to a plurality of respective distinct blocks if the provided block from the local memory is not at the indicated resolution level, wherein [downloading the] blocks [comprises downloading first the] of lower resolution levels are downloaded before blocks of higher resolution levels and the block for which the coordinates were provided last among blocks at a common resolution level is downloaded first.

9. (Amended) [A method according to claim 5] A method of providing data blocks describing three-dimensional terrain to a renderer, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the method comprising:

receiving from the renderer a plurality of coordinates in the terrain along with indication of a respective resolution level; said plurality of coordinates being included in a plurality of respective distinct blocks;

providing the renderer with first data block which includes data corresponding to at least some of the plurality of coordinates from a local memory;

downloading from a remote server one or more additional blocks which include data corresponding to a plurality of respective distinct blocks if the provided block from the local memory is not at the indicated resolution level, wherein [downloading the blocks comprises downloading] the blocks are downloaded according to the order in which the coordinates were provided.

11. (Amended) [A method according to claim 1,] A method of providing data blocks describing three-dimensional terrain to a renderer, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the method comprising:

receiving from the renderer one or more coordinates in the terrain along with indication of a respective resolution level;

providing the renderer with a first data block which includes data corresponding to the one or more coordinates, from a local memory;

downloading from a remoter server one or more additional data blocks which include data corresponding to the one or more coordinates if the provided block from the local memory is not at the indicated resolution level; and [comprising]

downloading from a remote server excess blocks not currently needed by the renderer to fill up the local memory when not downloading blocks required by the renderer.

15. (Amended) A method according to claim [1] 11, wherein downloading the data blocks comprised downloading the blocks via the Internet.

33. (Amended) [Apparatus according to claim 31, wherein the processor downloads a block] Apparatus for providing data blocks describing three-dimensional terrain to a render, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the apparatus comprising:

a local memory which stores data blocks corresponding to coordinates proximal to a current viewpoint of the renderer;

a communication link, through which the memory receives the data blocks from a remote server;

a processor which receives one or more specified coordinates along with indication of a respective resolution level from a renderer, provides the renderer with a first data block which includes data corresponding to the one or more specified coordinates from a local memory, and downloads over the communication link one or more data blocks of a resolution level higher than the resolution level of the first block which include data corresponding to the one or more coordinates if the first block is not from the indicated level.

34. (Amended) [Apparatus according to claim 31, wherein the processor downloads] Apparatus for providing data blocks describing three-dimensional terrain to a render, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the apparatus comprising:

a local memory which stores data blocks corresponding to coordinates proximal to a current viewpoint of the renderer;

a communication link, through which the memory receives the data blocks from a remote server;

a processor which receives one or more specified coordinates along with indication of a respective resolution level from a renderer, provides the renderer with a first data block which includes data corresponding to the one or more specified coordinates from a local memory, and downloads over the communication link blocks from the resolution level of the first block up to a maximal resolution level of blocks

stored on the server that is not above the indicated resolution level which include data corresponding to the one or more coordinates if the first block is not from the indicated level.

37. (Amended) [Apparatus according to claim 36, wherein the processor downloads]
Apparatus for providing data blocks describing three-dimensional terrain to a render, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the apparatus comprising:

a local memory which stores data blocks corresponding to coordinates proximal to a current viewpoint of the renderer;

a communication link, through which the memory receives the data blocks from a remote server;

a processor which receives one or more specified coordinates along with indication of a respective resolution level from a renderer, provides the renderer with a first data block which includes data corresponding to the one or more specified coordinates from a local memory, and downloads over the communication link blocks of lower resolution levels before blocks of higher resolution levels which include data corresponding to the one or coordinates if the first block is not from the indicated level.

38. (Amended) [Apparatus according to claim 37,] Apparatus for providing data blocks describing three-dimensional terrain to a render, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the apparatus comprising:

a local memory which stores data blocks corresponding to coordinates proximal to a current viewpoint of the renderer;

a communication link, through which the memory receives the data blocks from a remote server;

a processor which receives one or more specified coordinates along with indication of a respective resolution level from a renderer, provides the renderer with a first data block which includes data corresponding to the one or more specified coordinates from a local memory, and downloads over the communication link blocks which include data corresponding to the one or coordinates if the first block is not from the indicated level, wherein the processor downloads blocks of lower resolution levels before blocks of higher resolution levels and [in first precedence] the block for which the coordinates were provided last among blocks from a common resolution level is downloaded first.

39. (Amended) [Apparatus according to claim 35] Apparatus for providing data blocks describing three-dimensional terrain to a render, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the apparatus comprising:

a local memory which stores data blocks corresponding to coordinates proximal to a current viewpoint of the renderer;

a communication link, through which the memory receives the data blocks from a remote server;

a processor which receives one or more specified coordinates along with indication of a respective resolution level from a renderer, provides the renderer with a first data block which includes data corresponding to the one or more specified coordinates from a local memory, and downloads over the communication link one or more additional blocks according to the order in which the coordinates were provided which include data corresponding to the one or more coordinates if the first block is not from the indicated level.

41. (Amended) [Apparatus according to claim 31,] Apparatus for providing data blocks describing three-dimensional terrain to a render, the data blocks belonging to a hierarchical structure which includes blocks at a plurality of different resolution levels, the apparatus comprising:

a local memory which stores data blocks corresponding to coordinates proximal to a current viewpoint of the renderer;

a communication link, through which the memory receives the data blocks from a remote server;

a processor which receives one or more specified coordinates along with indication of a respective resolution level from a renderer, provides the renderer with a first data block which includes data corresponding to the one or more specified

coordinates from a local memory, downloads over the communication link blocks which include data corresponding to the one or coordinates if the first block is not from the indicated level; and [wherein the processor] downloads excess blocks not currently needed by the renderer to fill up the local memory when the processor is not downloading blocks required by the renderer.

45. (Amended) Apparatus according to claim [31] 41, wherein the communication link comprises a connection to the internet.

57. (Amended) The method of Claim [1] 11, wherein the coordinates relate to the coordinates of a predetermined course of a flight vehicle.

58. (Amended) The apparatus of Claim [31] 41, wherein said data blocks relate to a course of a flight vehicle.

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Carter Ledyard & Milburn
 1401 Eye Street NW Suite 300
 Washington, DC 20005

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